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 Composite membrane of crosslinked sulphonated polysaccharide  
 has skin layer obtd. by reacting water soluble polysaccharide contg.  
 sulphonate or sulphonic acid gp. and polyfunctional epoxy cpd.  
 C88-083944

Composite membrane has a skin layer of crosslinked prod. generated  
 by the reaction of water soluble polysaccharide having sulphonate  
 and/or sulphonic acid gp. and polyfunctional epoxy cpd. wt. ratio of  
 polysaccharide to epoxy is 97/3 to 80/20.

A thickness of the skin layer is 3 microns or less. Water soluble  
 polysaccharide is sulphoethyl cellulose or its alkali salt.  
 Polyfunctional epoxy cpd. is hydrophilic.

Pref. the porous base material is polysulphone, polyether sulphone,  
 polyacrylonitrile, polycarbonate, etc. Zinc borofluoride is used as  
 the crosslinking promotor.

USE/ADVANTAGE - Used in aq. soln. of organic cpd. or vapour  
 mixt. of organic cpd., and water for sepn. procedures. Good heat and  
 water resistance and a high permeation and sepn. coefft. over a wide  
 range of concns. of organic solns. (6pp Dwg.No.0/0)

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